Asbestos and Lead-Based Paint Survey

Residential Property

1600 SW Tyler

Topeka, Kansas

May 28, 2010

Terracon Project No. 14107031

Prepared for:

State of Kansas

Topeka, Kansas

Prepared by:

Terracon Consultants, Inc.

Topeka, Kansas

May 28, 2010

Terracon

Ms. Barbara Schilling
State of Kansas
900 SW Jackson, Room 651
Topeka, KS 66612

Re: Asbestos and Lead-Based Paint Survey
Residential Property
1600 SW Tyler
Topeka, Shawnee County, Kansas
Terracon Project No. 14107031

Dear Ms. Schilling:

The purpose of this report is to present the results of an asbestos and lead-based paint (LBP) survey performed on May 18, 2010 at the Residential Property located at 1600 SW Tyler in Topeka, Shawnee County, Kansas. This survey was conducted in general accordance with our proposal, dated May 21, 2010. We understand that this survey was requested due to the planned demolition of this structure.

Friable and non-friable asbestos-containing materials and LBP were identified. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service to the State of Kansas. If you have any questions regarding this report, or if you need assistance with project oversight and sampling during demolition of this structure, please contact the undersigned at (785) 267-3310.

Sincerely,
Terracon Consultant, Inc.

Bridget M. Aeschliman, L.G.
Environmental Department Manager

James I. VanBlaricon
Senior Environmental Project Manager
AHERA-Accredited Project Designer

C: Doug Jorgensen, KBI, 1620 SW Tyler, Topeka, Kansas 666112

TABLE OF CONTENTS

Page No.

1.0 INTRODUCTION 1

1.1 Project Objective 1

2.0 BUILDING DESCRIPTION 1

3.0 FIELD ACTIVITIES 2

3.1 Asbestos Survey 2
3.1.1 Visual Assessment 2
3.1.2 Physical Assessment 2
3.1.3 Sample Collection 2
3.1.4 Sample Analysis 3
3.2 Lead-Based Paint Survey 3
3.2.1 Visual Assessment 3
3.2.2 Sample Collection 3

4.0 REGULATORY OVERVIEW 4

4.1 Asbestos 4
4.2 Lead-Based Paint 4

5.0 FINDINGS AND RECOMMENDATIONS 5

5.1 Asbestos Results 5
5.2 Lead-Based Paint Results 7

6.0 GENERAL COMMENTS 8

LIST OF APPENDICES

Appendix A **Summary of Materials Reported to Contain Asbestos**

Appendix B **Summary of Materials Reported Not to Contain Asbestos**

Appendix C **Asbestos Analytical Laboratory Data**

Appendix D **XRF Field Data Worksheets**

Appendix E **Lead-Based Paint XRF Results Summary**

Appendix F **Licenses and Certifications**

Terracon

ASBESTOS AND LEAD-BASED PAINT SURVEY

RESIDENTIAL PROPERTY
1600 SW TYLER
TOPEKA, SHAWNEE COUNTY, KANSAS

Terracon Project No. 14107031
May 28, 2010

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos and lead-based paint (LBP) survey of the Residential Property located at 1600 SW Tyler in Topeka, Kansas (site). The survey was conducted on May 18, 2010 in general accordance with Terracon Proposal No. 14100091 dated May 21, 2010.

1.1 Project Objective

Terracon understands this asbestos survey was requested due to planned demolition of the site structure. The project objective was to assess for the presence of asbestos-containing materials (ACM) and LBP at the site structure.

Environmental Protection Agency (EPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition activities.

All occupational exposure to lead occurring in the course of construction work, including maintenance activities, painting, alteration and repairs is subject to the Occupational Safety and Health Administration (OSHA) Lead Exposure in Construction standard (29 CFR 1926.62). Construction work covered by 29 CFR 1926.62 includes any repair or renovation activities or other activities that disturb in-place lead-containing materials, but does not include routine cleaning and repainting where there is insignificant damage, wear, or corrosion of existing lead-containing coatings or substrates. Employers must assure that no employee will be exposed to lead at concentrations greater than 50 micrograms per cubic meter averaged over an eight hour period without adequate protection.

2.0 BUILDING DESCRIPTION

The structure is a two story wood framed house on a concrete block foundation with a basement and attic space. Exterior walls are wood lap siding. Interior walls and ceilings

are hard plaster covered with trowel applied plaster in several rooms. Enclosed front porch areas and the attic area have gypsum wallboard. Mechanical equipment for heating has been removed but ductwork remains in place. Floors are hardwood covered with carpet, linoleum or floor tile in some areas. Attic areas are insulated with mineral wool batt, fiberglass batt, and blown in cellulose. The building has a sloped wood shake roof covered with asphalt shingles.

3.0 FIELD ACTIVITIES

A summary of the field activities is described below.

3.1 Asbestos Survey

The asbestos survey was conducted by Timothy Easley, an AHERA-accredited asbestos inspector. A copy of Timothy Easley's asbestos inspector training certificate is attached as Appendix F. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the building to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. Interior assessment was conducted throughout visually accessible areas of the building. The exterior survey included an assessment of the exterior walls and roof.

Building materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

3.1.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.1.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Random samples of suspect

materials were collected in each homogeneous area. Sample team members collected bulk samples using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

3.1.4 Sample Analysis

Bulk samples were submitted under chain of custody for analysis by polarized light microscopy with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart F). The percentage of asbestos, where applicable, was determined by microscopical visual estimation. A laboratory accredited under National Voluntary Laboratory Accreditation Program was use for sample analysis.

3.2 Lead-Based Paint Survey

The LBP survey was conducted by Mr. Dane Bailey, a State of Kansas recognized LBP inspector. A copy of Mr. Bailey's certification is included in Appendix F. The LBP survey was conducted to meet informational needs to comply with OSHA requirements for lead-in-air content during disturbance of painted materials. The survey was not designed to meet the requirements of the U.S. Department of Housing and Urban Development (HUD).

3.2.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the building to identify various painted surfaces and substrates. All painted surfaces were suspected of containing lead. Interior and exterior assessments were conducted throughout visually accessible areas of the building, provided these areas are not determined to be permit-required confined spaces, or to pose a health or safety risk to Terracon personnel.

3.2.2 Sample Collection

Terracon conducted a LBP survey of the building utilizing a Radiation Monitoring Devices, Inc. (RMD), LPA-1, X-ray fluorescence (XRF) instrument. This XRF instrument was used to test surface coatings for the presence of lead. The RMD Instruments is a hand held, field portable, energy dispersive spectrometer that is self contained and battery powered. X-ray measurements are made directly on the painted surface of component (unpainted components may also be tested for lead content). XRF readings are measured in milligrams per square centimeter (mg/cm2).

A total of one hundred fifty-five (155) XRF readings were taken from coated surfaces associated with the various building components. Calibration checks were performed at the beginning and end of the LBP Survey, using protocols provided by the instrument manufacturer. The XRF field data worksheets are located in Appendix D.

4.0 REGULATORY OVERVIEW

The follow overview is not intended to be inclusive of all potentially pertinent regulatory information. The relevant EPA and OSHA standards should be consulted prior to undertaking activities involving the demolition, renovation, or maintenance of buildings potentially containing ACM or LBP.

4.1 Asbestos

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States which administer their own federally-approved state OSHA programs may require additional precautions.

4.2 Lead-Based Paint

The Resource Conservation and Recovery Act (RCRA) gave the EPA authority to regulate the waste status of demolition or renovation debris, including lead containing materials. Specific notification and testing requirements must be addressed prior to transporting, treating, storing, or disposing of hazardous wastes. Lead containing wastes are considered hazardous waste under RCRA if Toxicity Characteristic Leaching Procedure (TCLP) results exceed 5 mg/L. EPA exempts from most RCRA requirements those generators whose combined hazardous waste generation is less than 100 kilograms (kg) per month. The EPA also requires that personnel conducting lead-based paint removal activities be appropriately trained in accordance with 40 CFR 745.226. In accordance with EPA 40 CFR 745.225, contractors must notify the EPA or governing state agency at least 5 business days prior to conducting lead-based paint abatement activities.

On April 9, 2010 the Kansas Department of Health and Environment (KDHE) Healthy Homes and Lead Hazard Prevention Program officially implements revised regulations which include the adoption of the EPA Renovation, Repair and Painting (RRP) rules. The RRP regulations that KDHE has adopted were created by the EPA and deal with business that work on housing or child-occupied facilities built before 1978.

All occupational exposure to lead occurring in the course of construction work, including maintenance activities, painting, alteration and repairs is subject to the OSHA Lead Exposure in Construction standard (29 CFR 1926.62).

Construction work covered by 29 CFR 1926.62 includes any repair or renovation activities or other activities that disturb in-place lead-containing materials, but does not include routine cleaning and repainting where there is insignificant damage, wear, or corrosion of existing lead-containing coatings or substrates. Employers must assure that no employee will be exposed to lead at concentrations greater than 50 micrograms per cubic meter averaged over an eight hour period without adequate protection.

5.0 FINDINGS AND RECOMMENDATIONS

5.1 Asbestos Results

Laboratory analysis confirmed the presence of friable and/or non-friable ACM. A summary of the classification, condition and approximate quantity of identified ACM are presented in Appendix A. Other suspect materials that did not contain asbestos are included in Appendix B. Laboratory analytical reports are included in Appendix C.

Asbestos-containing thermal system insulation (TSI), duct insulation, was identified at the site. The TSI is considered friable RACM. RACM must be removed prior to renovation or demolition activities.

Asbestos-containing fiber backing on linoleum and residual fiber backing under floor tile was identified at the site. The fiber backing is considered friable RACM. RACM must be removed prior to renovation or demolition activities.

Asbestos-containing non-friable vinyl asbestos tile and non-friable sheet vinyl were identified at the subject property which is proposed for demolition. According to EPA NESHAP regulations, resilient floor tile and associated flooring adhesives (and/or non-friable sheet vinyl) which contain asbestos, are considered Category I non-friable materials unless they are damaged to the extent that they could be crumbled, pulverized or reduced to powder by hand pressure when dry. Such Category I non-friable ACM need not be removed prior to demolition unless demolition will involve intentional burning, grinding, mechanically chipping, drilling, sand or bead blasting, explosive demolition or other methods which could mechanically powder the material or otherwise render it friable. In addition, building debris need not be disposed of as asbestos-containing waste material as long as the Category I ACM remains non-friable. However, Terracon recommends that the landfill operator be notified that the construction debris will contain non-friable asbestos-containing materials.

If the scope of the demolition includes breaking and crushing the concrete floor slab for off-site recycling or use as structural fill material on-site, it is recommended that vinyl asbestos tile and/or non-friable sheet vinyl adhering to the slab be removed prior to the demolition in accordance with applicable federal and state regulations. In addition, if the scope of the demolition includes preparing the existing concrete slab for new construction and this action requires work procedures that could render the Category I non-friable ACM friable, such surface preparation work would have to be performed in accordance with applicable federal and state regulations.

Asbestos-containing flashing tar was identified at the site. According to the EPA, tar-impregnated roofing felts, asphalt tiles, asphalts and mastics that are non-friable and will remain non-friable during proposed demolition methods are exempt from NESHAP requirements and need not be removed prior to demolition. This exemption assumes the demolition of the building does not include deliberate burning or activities that powder or otherwise damage and render the materials friable. Additionally, the building debris need not be disposed of as asbestos-containing waste material provided such Category I ACM remains non-friable. However, Terracon recommends the landfill operator be notified that construction debris contains non-friable asbestos-containing materials.

If roofing materials will be removed prior to building demolition, they may be performed by appropriately trained roofing or demolition contractors in accordance with OSHA requirements provided:

- Tar-impregnated roofing materials are sectioned by shearing or slicing components. Shearing or slicing of materials may be accomplished by hand or mechanical methods.

- Tar-impregnated roofing material sections are removed from elevated portions of the roof using enclosed chutes for lowering roofing materials into waste receptacles.

- The demolition/removal of the asbestos-containing tar-impregnated roofing materials does not include intentional burning, sawing, grinding, abrading, mechanically chipping, drilling, sanding, bead or sand blasting, explosive demolition or any other activity that mechanically powders or otherwise renders the material friable.

Terracon could provide Client with a proposal for developing asbestos abatement specifications and for performing abatement oversight and air monitoring upon request

5.2 Lead-Based Paint Results

Of the total readings collected, seventy-three (73) readings were recorded as positive for lead content with readings at or above 1.0 mg/cm^2. The readings recorded as positive for lead content are as follows:

- Interior - Entryway foyer column and crown molding
- Interior – Southeast entry foyer jamb and threshold
- Interior – Column south off of foyer
- Interior – Northwest storage room columns and molding
- Interior – Dining room trough trim
- Exterior – Dining room jam
- Interior – Kitchen column
- Interior – First floor bathroom ceiling
- Interior – First floor bathroom south wall
- Interior – Northeast bedroom baseboard and upper trim
- Interior – Northeast bedroom doorway door, jam and trim
- Interior – Northeast bedroom window sill, jam and trim
- Interior – Northwest bedroom baseboard
- Interior – Northwest bedroom doorway door, jam and trim
- Interior – Northwest bedroom window sill, jam and trim
- Interior – Northwest bedroom closet trim
- Interior – Southwest bedroom baseboard and upper trim

- Interior – Southwest bedroom doorway door, jam and trim
- Interior – Southwest bedroom window sill, jam and trim
- Interior – Southwest bedroom closet trim
- Interior – Southwest bedroom closet stair
- Interior – 2nd floor bathroom baseboard
- Interior – 2nd floor bathroom door and door trim
- Interior – 2nd floor bathroom window sill and trim
- Interior – 2nd floor bathroom medicine cabinet
- Interior – East room ceiling
- Interior – East room window sill, jamb, and trim
- Interior – East room doorway threshold, jamb, and trim
- Exterior – Siding
- Exterior – Columns
- Exterior – Horizontal and vertical trim
- Exterior – Window trim and sill
- Exterior - Soffit

Based on the results of the XRF survey, LBP was identified on exterior and interior surfaces at the site. Refer to XRF Field Data Worksheets in Appendix D, for a complete list of surfaces tested with the XRF and the reading results. A LBP Results Summary Table, which identifies the sample location and analytical results, can be found in Appendix E.

Terracon recommends that the building owner notify the renovation/demolition contractor, as part of the Hazardous Communications under OSHA, that LBP has been identified at the site.

6.0 GENERAL COMMENTS

This asbestos and LBP survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the State of Kansasa for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties

supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

Appendix A

APPENDIX A

SUMMARY OF MATERIALS REPORTED TO CONTAIN ASBESTOS

State of Kansas

Summary of Materials Reported to Contain Asbestos by Homogeneous Area (HA)

Information reported for the Residential Property located at 1600 SW Tyler, Topeka, KS 66612

HA:	Material Description:	Category:	Quantity and Location:	NESHAP Cat.:	Friable:
1	Duct/Air Handler Insulation	Thermal System Insulation	60 square ft. - Basement: center wall at ceiling on ducts First floor: living room, inside dining room wall space Second floor: in walls behind heat vents.	RACM	Yes

Damage Category:	Reason for Damage:	Response Action:
Damaged Miscellaneous ACM	This material is damaged due to physical contact and is deteriorating with age.	Restrict access. Reduce potential for disturbance. Remove as soon as possible. If removal is not possible, repair damaged areas. Continue O&M.

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
1	First	East Center: on duct near ceiling	5/18/10	65% chrysotile - asbestos tape
2	First	Living room: at stair, wall space	5/18/10	Not analyzed - positive stop
3	First	Northwest room: at wall vent	5/18/10	Not analyzed - positive stop

HA:	Material Description:	Category:	Quantity and Location:	NESHAP Cat.:	Friable:
5	Sheet Goods - Linoleum brown	Miscellaneous Material	40 square ft. - First floor: hall at stair to basement, landing to basement stairs, center landing beneath wood underlayment.	Category I Non-friable	No

Damage Category:	Reason for Damage:	Response Action:
Damaged Miscellaneous ACM	This material is damaged due to physical contact and is deteriorating with age.	Restrict access. Remove as soon as possible. If removal is not possible, repair damaged areas. Continue O&M.

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
15	First	Stair hall: west side, brown	5/18/10	45% chrysotile fiber backing
16	First	Stair hall: east side	5/18/10	Not analyzed - positive stop
17	First	Stair landing to basement.	5/18/10	Not analyzed - positive stop

State of Kansas

Summary of Materials Reported to Contain Asbestos by Homogeneous Area (HA)

Information reported for the Residential Property located at 1600 SW Tyler, Topeka, KS 66612

HA:	Material Description:	Category:	Quantity and Location:	NESHAP Cat.:	Friable:
9	Sheet Goods - Linoleum gray green	Miscellaneous Material	25 square ft. - Center stair landing to basement and adjacent closet bottom layer.	Category I Non-friable	No

Damage Category:	Reason for Damage:	Response Action:
ACBM with Potential for Damage	This material is in good condition.	Continue O&M until condition of material changes.

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
27	First	Stair landing to basement, gray green	5/18/10	5% chrysotile-sheet flooring & none det-fiber bkg
28	First	Stair landing to basement, gray green	5/18/10	Not analyzed - positive stop
29	First	Stair landing to basement (closet), gray green	5/18/10	Not analyzed - positive stop

HA:	Material Description:	Category:	Quantity and Location:	NESHAP Cat.:	Friable:
10	Vinyl Floor Tile & Mastic - 9" x 9" blue	Miscellaneous Material	8 square ft. - Basement stair landing	Category I Non-friable	No

Damage Category:	Reason for Damage:	Response Action:
ACBM with Potential for Damage	This material is in good condition.	Continue O&M until condition of material changes.

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
30	First	Stair landing at basement steps 9" x 9" blue	5/18/10	45% chrysotile-fiber bkg & 3% chr-floor tile
31	First	Landing at basement steps	5/18/10	Not analyzed - positive stop
32	First	Landing at basement steps	5/18/10	Not analyzed - positive stop

HA:	Material Description:	Category:	Quantity and Location:	NESHAP Cat.:	Friable:
16	Flashing Tar	Miscellaneous Material	100 square ft. - Roof: flashing at house above porches and window boxouts.	Category I Non-friable	No

Damage Category:	Reason for Damage:	Response Action:
ACBM with Potential for Damage	This material is in good condition.	Continue O&M until condition of material changes.

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
48	First	Above front porch at north window, west side	5/18/10	5% chrysotile - flashing tar
49	First	North side, above porch	5/18/10	Not analyzed - positive stop
50	First	Upper roof above front porch, west side	5/18/10	Not analyzed - positive stop

This completes Appendix A of this report.

Terracon
3113 SW VanBuren, Topeka, Kansas 66611
785-267-3310

Appendix B

APPENDIX B

SUMMARY OF MATERIALS REPORTED NOT TO CONTAIN ASBESTOS

State of Kansas

Summary of Materials Reported Not to Contain Asbestos by Homogeneous Area (HA)

Information reported for the Residential Property located at 1600 SW Tyler, Topeka, KS 66612

HA:	Material Description:	Category:	Quantity and Location:	Friable:
2	Acoustical Plaster	Surfacing Material	2520 square ft. - First floor: dining room, living room and stairwell ceilings and walls, kitchen - west wall. Basement: stairwell Second floor: stairwell, hallway and bathroom ceilings and walls, all 3 bedrooms ceilings only	Yes

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
4	First	Living room: south side, ceiling	5/18/10	None detected - texture
5	First	Living room: north side, wall	5/18/10	None detected - texture
6	First	Dining room: southeast corner, wall	5/18/10	None deteted - texture
7	First	Southwest room: center ceiling	5/18/10	None detected - texture
8	First	Northeast room: center ceiling	5/18/10	None detected - texture

HA:	Material Description:	Category:	Quantity and Location:	Friable:
3	Hard Finish Wall & Ceiling Plaster	Miscellaneous Material	3550 square ft. - Interior ceilings and walls throughout first and second floors, except enclosed porch areas.	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
9	First	At stair to basement - ceiling.	5/18/10	None detected
10	First	Kitchen: east wall	5/18/10	None detected
11	First	At stair to attic - wall	5/18/10	None detected

HA:	Material Description:	Category:	Quantity and Location:	Friable:
4	Gypsum Board with Joint Compound and Tape	Miscellaneous Material	2025 square ft. - First floor: enclosed porch areas, bathroom at shower throughout attic area.	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
12	First	Front porch enclosure: east center wall	5/18/10	None detected
13	First	Front porch enclosure: north wall	5/18/10	None detected
14	First	Attic: north center wall	5/18/10	None detected

HA:	Material Description:	Category:	Quantity and Location:	Friable:
6	Sheet Goods - Linoleum gray	Miscellaneous Material	140 square ft. - First floor: kitchen	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
18	First	Kitchen: at door	5/18/10	None detected
19	First	Kitchen: west center	5/18/10	None detected
20	First	Kitchen: east center	5/18/10	None detected

State of Kansas

Summary of Materials Reported Not to Contain Asbestos by Homogeneous Area (HA)

Information reported for the Residential Property located at 1600 SW Tyler, Topeka, KS 66612

HA:	Material Description:	Category:	Quantity and Location:	Friable:
7	Sheet Goods - Linoleum tan	Miscellaneous Material	40 square ft. - Second floor: bathroom	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
21	First	Bathroom: at door, tan	5/18/10	None detected
22	First	Bathroom: at shower	5/18/10	None detected
23	First	Bathroom: south center	5/18/10	None detected

HA:	Material Description:	Category:	Quantity and Location:	Friable:
8	Sheet Goods - Linoleum white with green	Miscellaneous Material	140 square ft. - First floor: kitchen beneath plywood.	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
24	First	Kitchen: northwest corner, white with green.	5/18/10	None detected
25	First	Kitchen: northwest corner, white with green	5/18/10	None detected
26	First	Kitchen: northwest corner, white with green	5/18/10	None detected

HA:	Material Description:	Category:	Quantity and Location:	Friable:
11	Vinyl Floor Tile - 12"x12" white	Miscellaneous Material	50 square ft. - Stairwell to basement center landing Second floor: bathroom	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
33	First	Stair landing to basement 12" x 12" white floor tile	5/18/10	None detected
34	First	Stair landing to basement 12" x 12" white floor tile	5/18/10	None detected
35	First	Stair landing to basement 12" x 12" white floor tile Bathroom, northeast corner	5/18/10	None detected

HA:	Material Description:	Category:	Quantity and Location:	Friable:
12	Vinyl Floor Tile - 12"x12" white floral pattern	Miscellaneous Material	150 square ft. - Stair to basement closet. First floor: kitchen beneath plywood	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
36	First	Kitchen: northwest corner, 12" x 12" white floral pattern floor tile	5/18/10	None detected
37	First	Kitchen: northwest corner, 12" x 12" white floral pattern floor tile	5/18/10	None detected
38	First	Basement stair - closet	5/18/10	None detected

State of Kansas

Summary of Materials Reported Not to Contain Asbestos by Homogeneous Area (HA)

Information reported for the Residential Property located at 1600 SW Tyler, Topeka, KS 66612

HA:	Material Description:	Category:	Quantity and Location:	Friable:
13	Batt Insulation	Miscellaneous Material	750 square ft. - Attic beneath wood floor.	Yes

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
39	First	Attic under wood floor, tarpaper on batt insulation	5/18/10	None detected
40	First	Attic under wood floor, tarpaper on batt insulation	5/18/10	None detected
41	First	Attic under wood floor, tarpaper on batt insulation	5/18/10	None detected

HA:	Material Description:	Category:	Quantity and Location:	Friable:
14	Composite Asphalt Shingles white - green	Miscellaneous Material	2060 square ft. - Roof: top layer of shingles	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
42	First	Upper roof, northwest corner, white-green shingles.	5/18/10	None detected
43	First	Upper roof, above porch, west side white-green shingles.	5/18/10	None detected
44	First	Front porch roof: northwest corner, white-green shingles.	5/18/10	None detected

HA:	Material Description:	Category:	Quantity and Location:	Friable:
15	Composite Asphalt Shingles brown	Miscellaneous Material	2060 square ft. - Roof: bottom layer shingles.	No

Sample Collection Location and Laboratory Analysis Information for This HA

Sample #:	Floor:	Sample Location:	Collection Date:	Asbestos %:
45	First	Upper roof: northwest corner, brown shingle	5/18/10	None detected
46	First	Upper roof above front porch, west side, brown shingles	5/18/10	None detected
47	First	Front porch roof: northwest corner, brown shingles	5/18/10	None detected

This completes Appendix B of this report.

Terracon

3113 SW VanBuren, Topeka, Kansas 66611

785-267-3310

Appendix C

APPENDIX C

ASBESTOS ANALYTICAL LABORATORY DATA

PLM Summary Report

Steve Moody Micro Services, LLC
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

NVLAP Lab No. 102056
TDSHS License No. 30-0084

Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031 Sample Date : 05/18/2010
Identification : Asbestos, Bulk Sample Analysis
Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)
EPA Method 600 / R-93 / 116

Lab Job No. : 10B-04736
Report Date : 05/25/2010

On 5/20/2010, fifty (50) bulk material samples were submitted by a representative of Terracon - Lenexa, KS for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
1	Duct / Air Handler Insulation, Basement, East Center on Duct Near Ceiling	65% Chrysotile - Asbestos Tape
2	Duct / Air Handler Insulation, 1st Floor, Living Room at Stair Wall Space	Not Analyzed - Positive Stop
3	Duct / Air Handler Insulation, 2nd Floor, Northwest Room at Wall Vent	Not Analyzed - Positive Stop
4	Acoustical Plaster, 1st Floor, Living Room, South Side Ceiling	None Detected - Texture
5	Acoustical Plaster, 1st Floor, Living Room, North Side Wall	None Detected - Texture
6	Acoustical Plaster, 1st Floor, Dining Room, Southeast Corner Wall	None Detected - Texture
7	Acoustical Plaster, 2nd Floor, Southwest Room, Center Ceiling	None Detected - Texture
8	Acoustical Plaster, 2nd Floor, Northeast Room, Center Ceiling	None Detected - Texture
9	Wall and Ceiling Plaster Finish (Hard), 1st Floor, at Stair to Basement, Ceiling	None Detected - Base Plaster None Detected - Finish Plaster
10	Wall and Ceiling Plaster Finish (Hard), 1st Floor, Kitchen, East Wall	None Detected - Base Plaster None Detected - Finish Plaster
11	Wall and Ceiling Plaster Finish (Hard), 2nd Floor, at Stair to Attic, Wall	None Detected - Base Plaster None Detected - Finish Plaster
12	Gypsum Board with Joint Compound and Tape, 1st Floor, Front Porch Enclosure, East Center Wall	None Detected - Drywall Material None Detected - Paint
13	Gypsum Board with Joint Compound and Tape, 1st Floor, Front Porch Enclosure, North Wall	None Detected - Drywall Material None Detected - Joint Compound
14	Gypsum Board with Joint Compound and Tape, Attic, North Center Wall	None Detected - Drywall Material None Detected - Joint Compound

PLM Summary Report

Steve Moody Micro Services, LLC
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

NVLAP Lab No. 102056
TDSHS License No. 30-0084

Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031 Sample Date : 05/18/2010
Identification : Asbestos, Bulk Sample Analysis
Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)
EPA Method 600 / R-93 / 116

Lab Job No. : 10B-04736
Report Date : 05/25/2010

On 5/20/2010, fifty (50) bulk material samples were submitted by a representative of Terracon - Lenexa, KS for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
15	Linoleum Sheet Goods, 1st Floor, Stair Hall, West Side	None Detected - Sheet Flooring 45% Chrysotile - Fiber Backing
16	Linoleum Sheet Goods, 1st Floor, Stair Hall, East Side	Not Analyzed - Positive Stop
17	Linoleum Sheet Goods, 1st Floor, Stair Landing to Basement	Not Analyzed - Positive Stop
18	Linoleum Sheet Goods, 1st Floor, Kitchen, at Door	None Detected - Sheet Flooring None Detected - Fiber Backing
19	Linoleum Sheet Goods, 1st Floor, Kitchen, West Center	None Detected - Sheet Flooring None Detected - Fiber Backing
20	Linoleum Sheet Goods, 1st Floor, Kitchen, East Center	None Detected - Sheet Flooring None Detected - Fiber Backing
21	Linoleum Sheet Goods, 2nd Floor, Bathroom, at Door	None Detected - Sheet Flooring None Detected - Fiber Backing
22	Linoleum Sheet Goods, 2nd Floor, Bathroom, at Shower	None Detected - Sheet Flooring None Detected - Fiber Backing
23	Linoleum Sheet Goods, 2nd Floor, Bathroom, South Center	None Detected - Sheet Flooring None Detected - Fiber Backing
24	Linoleum Sheet Goods, 1st Floor, Kitchen, Northwest Corner	None Detected - Sheet Flooring None Detected - Fiber Backing
25	Linoleum Sheet Goods, 1st Floor, Kitchen, Northwest Corner	None Detected - Sheet Flooring None Detected - Fiber Backing
26	Linoleum Sheet Goods, 1st Floor, Kitchen, Northwest Corner	None Detected - Sheet Flooring None Detected - Fiber Backing
27	Linoleum Sheet Goods, 1st Floor, Stair Landing to Basement	5% Chrysotile - Sheet Flooring None Detected - Fiber Backing
28	Linoleum Sheet Goods, 1st Floor, Stair Landing to Basement	Not Analyzed - Positive Stop

PLM Summary Report

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NVLAP Lab No. 102056
TDSHS License No. 30-0084

Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031 Sample Date : 05/18/2010
Identification : Asbestos, Bulk Sample Analysis
Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)
EPA Method 600 / R-93 / 116

Lab Job No. : 10B-04736
Report Date : 05/25/2010

On 5/20/2010, fifty (50) bulk material samples were submitted by a representative of Terracon - Lenexa, KS for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
29	Linoleum Sheet Goods, 1st Floor, Stair Landing to Basement, Closet	Not Analyzed - Positive Stop
30	9" x 9" Vinyl Floor Tile and Mastic, 1st Floor, Stair Landing at Basement Steps	45% Chrysotile - Residual Fiber Backing 3% Chrysotile - Floor Tile None Detected - Brown Mastic
31	9" x 9" Vinyl Floor Tile and Mastic, 1st Floor, Stair Landing at Basement Steps	Not Analyzed - Positive Stop
32	9" x 9" Vinyl Floor Tile and Mastic, 1st Floor, Stair Landing at Basement Steps	Not Analyzed - Positive Stop
33	12" x 12" Vinyl Floor Tile (White), 1st Floor, Stair Landing to Basement	None Detected - Floor Tile None Detected - Yellow Mastic
34	12" x 12" Vinyl Floor Tile (White), 1st Floor, Stair Landing to Basement	None Detected - Floor Tile None Detected - Yellow Mastic
35	12" x 12" Vinyl Floor Tile (White), 2nd Floor, Bathroom, Northeast Corner	None Detected - Floor Tile None Detected - Yellow Mastic
36	12" x 12" Vinyl Floor Tile (White, Floral Pattern), 1st Floor, Kitchen, Northwest Corner	None Detected - Floor Tile None Detected - Yellow Mastic
37	12" x 12" Vinyl Floor Tile (White, Floral Pattern), 1st Floor, Kitchen, Northwest Corner	None Detected - Floor Tile None Detected - Yellow Mastic
38	12" x 12" Vinyl Floor Tile (White, Floral Pattern), 1st Floor, Basement Stairs, Closet	None Detected - Floor Tile None Detected - Yellow Mastic
39	Batt Insulation, Attic under Wood Floor, Tar Paper on Batt Insulation	None Detected - Black Mastic None Detected - Paper Facing
40	Batt Insulation, Attic under Wood Floor, Tar Paper on Batt Insulation	None Detected - Black Mastic None Detected - Paper Facing
41	Batt Insulation, Attic under Wood Floor, Tar Paper on Batt Insulation	None Detected - Black Mastic None Detected - Paper Facing

PLM Summary Report

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NVLAP Lab No. 102056
TDSHS License No. 30-0084

Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031 Sample Date : 05/18/2010
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Lab Job No. : 10B-04736
Report Date : 05/25/2010

On 5/20/2010, fifty (50) bulk material samples were submitted by a representative of Terracon - Lenexa, KS for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
42	Composite Asphalt Shingles (White Green), Roof, Upper Roof, Northwest Corner	None Detected - Roofing Shingle
43	Composite Asphalt Shingles (White Green), Roof, Upper Roof, Above Porch West Side	None Detected - Roofing Shingle
44	Composite Asphalt Shingles (White Green), Roof, Front Porch Roof, Northwest Corner	None Detected - Roofing Shingle
45	Composite Asphalt Shingles (Brown), Roof, Upper Roof, Northwest Corner	None Detected - Roofing Shingle
46	Composite Asphalt Shingles (Brown), Roof, Upper Roof Above Front Porch, West Side	None Detected - Roofing Shingle
47	Composite Asphalt Shingles (Brown), Roof, Front Porch Roof, Northwest Corner	None Detected - Roofing Shingle
48	Flashing Tar, Roof, Above Front Porch at North Window, West Side	5% Chrysotile - Flashing Tar
49	Flashing Tar, Roof, North Side Above Porch	Not Analyzed - Positive Stop
50	Flashing Tar, Roof, Upper Roof Above Front Porch, West Side	Not Analyzed - Positive Stop

These samples were analyzed by layers. Quantification, unless otherwise noted, is performed by calibrated visual estimate. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government. Accredited by the National Voluntary Laboratory Accreditation Program for Bulk Asbestos Fiber Analysis under Lab Code 102056.

Analyst(s): Steve Moody
Lab Manager : Bruce Crabb
Lab Director : Steve Moody

Approved Signatory : Bruce Crabb
Approved Signatory : Steve Moody

Thank you for choosing Steve Moody Micro Services

Steve Moody Micro Services, LLC
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report

Supplement to PLM Summary Report

NVLAP Lab No. 102056
TDSHS License No. 30-0084

Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031

Lab Job No. : 10B-04736
Report Date : 05/25/2010

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
1	Asbestos Tape (Light Grey)	100%	Chrysotile	65%	05/22	SM
			Cellulose Fibers	30%		
			Binders / Fillers	5%		
2	Not Analyzed - Positive Stop	100%			05/22	SM
3	Not Analyzed - Positive Stop	100%			05/22	SM
4	Texture (White)	100%	Calcite / Talc / Binders	100%	05/22	SM
5	Texture (White)	100%	Calcite / Talc / Binders	100%	05/22	SM
6	Texture (White)	100%	Calcite / Talc / Binders	100%	05/22	SM
7	Texture (White)	100%	Calcite / Talc / Binders	100%	05/22	SM
8	Texture (White)	100%	Calcite / Talc / Binders	100%	05/22	SM
9	Base Plaster (Grey)	80%	Hair Fibers	<1%	05/22	SM
			Aggregate	65%		
			Calcite / Binders	35%		
	Finish Plaster (White)	20%	Quartz Grains	20%		
			Calcite / Gypsum Binders	80%		
10	Base Plaster (Grey)	80%	Hair Fibers	<1%	05/22	SM
			Aggregate	65%		
			Calcite / Binders	35%		
	Finish Plaster (White)	20%	Quartz Grains	20%		
			Calcite / Gypsum Binders	80%		
11	Base Plaster (Grey)	80%	Hair Fibers	<1%	05/22	SM
			Aggregate	65%		
			Calcite / Binders	35%		
	Finish Plaster (White)	20%	Quartz Grains	20%		
			Calcite / Gypsum Binders	80%		
12	Drywall Material (White)	94%	Cellulose Fibers	2%	05/22	SM
			Gypsum / Binders	98%		
	DW Paper Facing (Tan)	5%	Cellulose Fibers	100%		
	Paint (Off-White)	1%	Pigment / Binders	100%		

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PLM Detail Report

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Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031

Lab Job No. : 10B-04736
Report Date : 05/25/2010

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
13	Drywall Material (White)	90%	Cellulose Fibers	2%	05/22	SM
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	5%	Cellulose Fibers	100%		
	Joint Compound (White)	5%	Calcite / Talc / Binders	100%		
14	Drywall Material (White)	90%	Cellulose Fibers	2%	05/22	SM
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	5%	Cellulose Fibers	100%		
	Joint Compound (White)	5%	Calcite / Talc / Binders	100%		
15	Sheet Flooring (Tan)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Tan)	50%	Chrysotile	45%		
			Cellulose Fibers	30%		
			Binders / Fillers	25%		
16	Not Analyzed - Positive Stop	100%			05/22	SM
17	Not Analyzed - Positive Stop	100%			05/22	SM
18	Sheet Flooring (Light Tan)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Off-White)	50%	Cellulose Fibers	50%		
			Calcite / Binders	50%		
19	Sheet Flooring (Light Tan)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Off-White)	50%	Cellulose Fibers	50%		
			Calcite / Binders	50%		
20	Sheet Flooring (Light Tan)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Off-White)	50%	Cellulose Fibers	50%		
			Calcite / Binders	50%		

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PLM Detail Report

Supplement to PLM Summary Report

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Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031

Lab Job No. : 10B-04736
Report Date : 05/25/2010

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
21	Sheet Flooring (Light Tan)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Cellulose Fibers	50%		
			Glass Wool Fibers	5%		
			Calcite / Binders	45%		
22	Sheet Flooring (Light Tan)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Cellulose Fibers	50%		
			Glass Wool Fibers	5%		
			Calcite / Binders	45%		
23	Sheet Flooring (Light Tan)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Cellulose Fibers	50%		
			Glass Wool Fibers	5%		
			Calcite / Binders	45%		
24	Sheet Flooring (White w/ Green)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Cellulose Fibers	50%		
			Glass Wool Fibers	5%		
			Calcite / Binders	45%		
25	Sheet Flooring (White w/ Green)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Cellulose Fibers	50%		
			Glass Wool Fibers	5%		
			Calcite / Binders	45%		
26	Sheet Flooring (White w/ Green)	50%	Synthetic Foam	70%	05/22	SM
			Vinyl Binders	30%		
	Fiber Backing (Light Grey)	50%	Cellulose Fibers	50%		
			Glass Wool Fibers	5%		
			Calcite / Binders	45%		

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PLM Detail Report

Supplement to PLM Summary Report

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TDSHS License No. 30-0084

Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031

Lab Job No. : 10B-04736
Report Date : 05/25/2010

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
27	Sheet Flooring (Blue)	50%	Chrysotile	5%	05/22	SM
			Cellulose Fibers	40%		
			Calcite / Vinyl Binders	55%		
	Fiber Backing (Black)	50%	Cellulose Fibers	85%		
			Tar Binders	15%		
28	Not Analyzed - Positive Stop	100%			05/22	SM
29	Not Analyzed - Positive Stop	100%			05/22	SM
30	Residual Fiber Backing (Tan)	10%	Chrysotile	45%	05/22	SM
			Cellulose Fibers	30%		
			Binders / Fillers	25%		
	Floor Tile (Blue)	80%	Chrysotile	3%		
			Calcite / Vinyl Binders	97%		
	Brown Mastic (Brown)	10%	Glue Binders	100%		
31	Not Analyzed - Positive Stop	100%			05/22	SM
32	Not Analyzed - Positive Stop	100%			05/22	SM
33	Floor Tile (Off-White)	95%	Calcite / Vinyl Binders	100%	05/22	SM
	Yellow Mastic (Yellow)	5%	Glue Binders	100%		
34	Floor Tile (Off-White)	95%	Calcite / Vinyl Binders	100%	05/22	SM
	Yellow Mastic (Yellow)	5%	Glue Binders	100%		
35	Floor Tile (Off-White)	95%	Calcite / Vinyl Binders	100%	05/22	SM
	Yellow Mastic (Yellow)	5%	Glue Binders	100%		
36	Floor Tile (Off-White)	98%	Calcite / Vinyl Binders	100%	05/22	SM
	Yellow Mastic (Yellow)	2%	Glue Binders	100%		
37	Floor Tile (Off-White)	98%	Calcite / Vinyl Binders	100%	05/22	SM
	Yellow Mastic (Yellow)	2%	Glue Binders	100%		
38	Floor Tile (Off-White)	97%	Calcite / Vinyl Binders	100%	05/22	SM
	Yellow Mastic (Yellow)	3%	Glue Binders	100%		
39	Black Mastic (Black)	60%	Tar Binders	100%	05/22	SM
	Paper Facing (Brown)	40%	Cellulose Fibers	100%		

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PLM Detail Report

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Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031

Lab Job No. : 10B-04736
Report Date : 05/25/2010

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
40	Black Mastic (Black)	60%	Tar Binders	100%	05/22	SM
	Paper Facing (Brown)	40%	Cellulose Fibers	100%		
41	Black Mastic (Black)	60%	Tar Binders	100%	05/22	SM
	Paper Facing (Brown)	40%	Cellulose Fibers	100%		
42	Sand Layer (White w/ Green)	20%	Aggregate	100%	05/22	SM
	Roofing Shingle (Black)	80%	Cellulose Fibers	25%		
			Calcite	30%		
			Tar Binders	45%		
43	Sand Layer (White w/ Green)	20%	Aggregate	100%	05/22	SM
	Roofing Shingle (Black)	80%	Cellulose Fibers	25%		
			Calcite	30%		
			Tar Binders	45%		
44	Sand Layer (White w/ Green)	20%	Aggregate	100%	05/22	SM
	Roofing Shingle (Black)	80%	Cellulose Fibers	25%		
			Calcite	30%		
			Tar Binders	45%		
45	Sand Layer (Brown)	20%	Aggregate	100%	05/22	SM
	Roofing Shingle (Black)	80%	Cellulose Fibers	25%		
			Calcite	30%		
			Tar Binders	45%		
46	Sand Layer (Brown)	20%	Aggregate	100%	05/22	SM
	Roofing Shingle (Black)	80%	Cellulose Fibers	25%		
			Calcite	30%		
			Tar Binders	45%		
47	Sand Layer (Brown)	20%	Aggregate	100%	05/22	SM
	Roofing Shingle (Black)	80%	Cellulose Fibers	25%		
			Calcite	30%		
			Tar Binders	45%		

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Client : Terracon - Lenexa, KS
Project : KBI, 1600 Southwest Tyler, Topeka, Kansas
Project # : 14107031

Lab Job No. : 10B-04736
Report Date : 05/25/2010

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
48	Flashing Tar (Black)	100%	Chrysotile	5%	05/22	SM
			Calcite	30%		
			Tar Binders	65%		
49	Not Analyzed - Positive Stop	100%			05/22	SM
50	Not Analyzed - Positive Stop	100%			05/22	SM

APPENDIX D

XRF FIELD DATA WORKSHEETS

Asbestos Chain of Custody

Page 1 of 1

PLM-Bulk: ☐ 1 day ♦ ☐ 2 day ♦ ☐ 3 day ♦ ☒ 5 day
☐ Immediate (Call for quote)
☒ ANALYZE ALL (see below) ♦ ☒ POSITIVE STOP
Please call in advance for after-hour & weekend analysis

PCM-Air: ☐ Immediate ♦ ☐ 1 day ♦ ☐ 2 day ♦ ☐ 5 day
TEM-Air: ☐ 6 hr ♦ ☐ 12 hr ♦ ☐ 24 hr
TEM-Bulk/Wipe/MVac: ☐ 1 day ♦ ☐ 2 day ♦ ☐ 3 day
TEM-7402/Modified: ☐ 1 day ♦ ☐ 2 day ♦ ☐ 3 day

Lab Job# 10B-04725 PLM 60
Lab Job# HO
Lab Job# 10B-04736 PLM 50

Company Name and City: Terracon Consultants 13910 W 96Ter Lenexa KS. 66215
No. of Samples: 110-50
Submitter's Name: Timothy Easley
Sample date: 5-18-10
P.O. No:
Project: KBI
Project No: 14107031

Contact Information: Name: Allen Bartels
Phone #: 913-492-7777
E-mail Address:
Mobile #:
Invoice Address:
Fax #:

*** Please review paperwork and samples before submitting to lab. Uncontained / improperly packaged samples or excessive administrative requests may incur additional fees. ***

Notes: Analyze all surfacing and sheetrock samples, Positive stop on other materials perform point count analysis on materials less than 10% asbestos

Sample No.	Sample Description	Vol. / Area	Location / Notes
1-60	Asbestos Bulk Samples		519 Sw 16st Topeka ks
1-50	Asbestos Bulk Samples		1600 Sw Tyler Topeka ks

Released by:	Date/Time:	Received By:	Date/Time:
[signature]	5-19-10 10:30am	[signature] via Fedex	5-20-10/ 8:55A
Released by:	Date/Time:	Received By:	Date/Time:

108-04736

Terracon PN # 14107031 **Sample/Photo Location Log** Page 1 of 4

1600 SW Tyler DB #

Client Name: Current Version Date 8-20-2009

Inspection Number: Campus #: 01 Building #: 02 Inspector: Tim Easley Date: 5-18-10

USA #:	Sample/ Photo #:	BS Code:	System:	Floor:	Location Macro	Location Micro	Collection Date:
01	01	J5	mech	Bsmt	east center	on duct near ceiling	5-18-10
	02			1st	living room	at stair wall space	
	03			2nd	N.W room	at wall vent	
02	04	F1	C/W	1st	living room - S. side	ceiling	
	05			1st		- N. side wall	
	06			1st	Dining room -	S.E corner wall	
	07			2nd	S. W room -	center ceiling	
	08			2nd	N. E room -	center ceiling	
03	09	G1,2	CW	1st	at stair to bsmt -	ceiling	
	10			1st	Kitchen -	east wall	
	11			2nd	at stair to attic	- wall	
04	12	N1	CW	1st	front porch enclosure	- east center wall	
	13			1		- North wall	
	14			Attic	Attic -	N. center wall	
05	15	C3	f1	1st	stair hall -	west side	

Chain of Custody

Turn Around Time: _____

Samples Collected by: [signature]

Printed Name: Tim Easley

Date: 5-18-10

Samples Accepted by: [signature]

Printed Name:: T Gorecki

Date: 5-20-10 / 8:55 a

Samples Accepted by: _____

Printed Name:: _____

Date: _____

Samples Accepted by: _____

Printed Name:: _____

Date: _____

10B-04736

Terracon PN # 14107031 **Sample/Photo Location Log** Page 2 of 4

Client Name: KBI 1600 SW Tyler DB # Current Version Date 8-20-2009

Inspection Number: Campus #: 01 Building #: 02 Inspector: Tim Easley Date: 5-18-10

USA #:	Sample/ Photo #:	BS Code:	System:	Floor:	Location Macro / Micro	Collection Date:
05	16	C3	F1	1st	Stair hall — east side	5-18-10
↓	17	↓	↓	↓	Stair landing — to bsmt	↓
06	18	C3	F1	1st	kitchen — at door	
↓	19	↓	↓	↓	— west center	
↓	20	↓	↓	↓	— east center	
07	21	C3	F1	2nd	Bathroom — at door	
↓	22	↓	↓	↓	— at shower	
↓	23	↓	↓	↓	— south center	
08	24	C3	F1	1st	kitchen — NW corner	
↓	25	↓	↓	↓		
↓	26	↓	↓	↓		
09	27	C3	F1	1st	stair landing to bsmt	
↓	28	↓	↓	↓		
↓	29	↓	↓	↓	— closet	
10	30	C1, R1	F1	1st	Stair landing at bsmt steps	↓

Chain of Custody

Turn Around Time: _____

Samples Collected by: [signature]

Printed Name: Tim Easley

Date: 5-18-10

Samples Accepted by: [signature]

Printed Name:: T Garrett

Date: 5-20-10 / 8:15a

Samples Accepted by: _____

Printed Name:: _____

Date: _____

Samples Accepted by: _____

Printed Name:: _____

Date: _____

10B-047386

Terracon PN # 14107031 **Sample/Photo Location Log** Page 3 of 4

Client Name: KBI 1600 SW Tyler · DB # Current Version Date 8-20-2009

Inspection Number: Campus #: 01 Building #: 02 Inspector: Tim Easley Date: 5-18-10

USA #:	Sample/ Photo #:	BS Code:	System:	Floor:	Location Macro	Location Micro	Collection Date:
10	31	C1, R1	f1	1st	landing at bsm steps		5-18-10
1	32	↓	↓	↓	↓		↓
11	33	C2	f1	1st	~~kitchen~~ - ~~N.W corner~~ S.E. Stair landing to bsmt 12x12 wt FF		
↓	34	↓	↓	↓	Stair landing to bsmt		
↓	35	↓	↓	2nd	Bathroom - NE corner		
12	36	C2	f1	1st	kitchen N.W corner 12x12	wt floral pattern FF	
↓	37	↓	↓	↓	↓	↓	
↓	38	↓	↓	↓	Bsmt stair - closet		
13	39	01	misc	Attic	Attic under wood floor	- tarpaper on batt insul	
↓	40	↓	↓	↓	↓	↓	
↓	41	↓	↓	↓	↓	↓	
14	42	Q3	roof	roof	upper roof N.W corner	wt-grn shingle	
↓	43	↓	↓	↓	upper roof above porch westside	↓	
↓	44	↓	↓	↓	frontporch roof NW corner	↓	
15	45	Q3	roof	roof	upper roof N.W corner	brown shingle	

Chain of Custody

Turn Around Time: _____

Samples Collected by: Tim Easley
Printed Name: Tim Easley
Date: 5-18-10

Samples Accepted by: _____
Printed Name:: _____
Date: _____

Samples Accepted by: [signature]
Printed Name:: T Garrett
Date: 5-20-10/ 8:55a

Samples Accepted by: _____
Printed Name:: _____
Date: _____

IDB-04736

Terracon PN # 14107031 Sample/Photo Location Log Page 4 of 4

1600 SW Tyler DB #

Client Name: KBI Current Version Date 8-20-2009

Inspection Number: Campus #: 01 Building #: 02 Inspector: Tim Easley Date: 5-18-10

USA #:	Sample/ Photo #:	BS Code:	System:	Floor:	Location Macro	Location Micro	Collection Date:
15	46	Q3	roof	roof	upper roof above front porch westside	brown shingle	5-18-10
↓	47	↓	↓	↓	front porch roof N.w corner	↓	
16	48	Q4	roof	roof	above front porch at	N. window - westside	
↓	49	↓	↓	↓	N. side above porch		
↓	50	↓	↓	↓	upper roof above front porch westside		

Chain of Custody

Turn Around Time: _____

Samples Collected by: [signature]
Printed Name: Tim Easley
Date: 5-18-10

Samples Accepted by: [signature]
Printed Name:: T Gallatt
Date: 5-20-10/8:55A

Samples Accepted by: _____
Printed Name:: _____
Date: _____

Samples Accepted by: _____
Printed Name:: _____
Date: _____

Appendix E

APPENDIX E

LEAD-BASED PAINT XRF RESULTS SUMMARY

Project: Two Residences (1600 Tyler)
Facility Location: Topeka, Kansas
Inspector's Name: Dane Bailey
Readings Taken: May 24, 2010
Project No.: 14107031

Floor	Sample Nos.	Reading	Room ID	Wall Direction	Component	Member	Substrate	Color	Location	Paint Condition (Intact, Fair, Poor)	Components or Comments
	1	-.2	Entryway	NE	Foyer	Wall	Gypsum	White	middle	F	
	2	0	Entryway	up	Foyer	Ceiling	Gypsum	White	North	F	
	3	>9.9	Entryway	W	Foyer	Column	Wood	White	Bottom middl	P	
	4	>9.9	Entryway	W	Foyer	Crown moldin	Wood	White	Right	F	
	5	-.1	Entryway	S	Foyer	Baseboard	Wood	Green	Middle	F	
	6	.2	Entryway	Dowr	Foyer	Floor	Wood	Green	South	P	
	7	>9.9	Foyer	NE	Southeast Entry	Jamb	Wood	White	Northeast	P	
	8	5.3	Foyer	Dowr	Southeast Entry	Threshold	Wood	Green	left	P	
	9	.3	Entryway	W		Trim	Wood	White	Left middle	P	
	10	.1	Room	E	South off of Foy	Wall	Gypsum	White	middle	F	
	11	0	Room	up	South off of Foy	Ceiling	Gypsum	White	East	F	
	12	>9.9	Room	W	South off of Foy	Column	Wood	White	Bottom middl	F	
	13	-.2	Room	down	South off of Foy	Floor	Wood	Gray	East	P	
	14	-.2	Room	E	South off of Foy	Closet Trim	Wood	White	Left middle	F	
	15	0	Room	E	South off of Foy	Closet Jamb	Wood	White	Left middle	F	
	16	-.1	Room	down	South off of Foy	Threshold	Wood	Green	Middle	P	
	17	.4	Lobby	W	Wall		Gypsum	White	Left middle	F	
	18	.1	Lobby	up	Ceiling		Gypsum	White	middle	F	
	19	-.3	Lobby	down	Floor		Wood	Brown		F	
	20	-.2	Lobby	N	Baseboard		Wood	Brown	Right	F	
	21	0	Lobby	N	Trim		Wood	Brown	right middle	F	
	22	.1	Lobby	W	Window	Trim	Wood	White	Left bottom	F	
	23	-.1	Lobby	Dowr	Window	Sill	Wood	White	middle	F	
	24	-.3	Lobby	S	Jamb		Wood	White	Left middle	F	
	25	0	NW Storage Room	E	Wall		Gypsum	White	right middle	F	
	26	0	NW Storage Room	up	Ceiling		Gypsum	White	Middle	F	
	27	>9.9	NW Storage Room	N	Columns		Wood	White	Right middle	P	
	28	>9.9	NW Storage Room	up	Molding		Wood	White	right middle	P	
	29	.4	Dining Room	S	Wall		Gypsum	White	Middle	F	
	30	.5	Dining Room	up	Ceiling		Gypsum	White	East	F	
	31	.4	Dining Room	W	Upper Trim		Wood	White	middle	F	

	32	-.1	Dining Room	down	Window	Sill	Wood	Brown	Middle	F	East window
	33	.1	Dining Room	S	Window	Jamb	Wood	Brown	right middle	F	East window
	34	0	Dining Room	E	Window	Trim	Wood	Brown	left bottom	F	East window
	35	2.0	Dining Room	Down	Trim	Trough	Wood	blue	middle	F	East window
	36	3.3	Dining Room	S	Exterior	Jamb	Wood	Blue	Right bottom	F	East window
	37	.2	Kitchen	E	Wall		Gypsum	White	middle	P	
	38	4.0	Kitchen	S	Column		Concrete	White	right middle	P	
	39	.1	Kitchen	W			Wood	brown	middle	F	
	40	.2	Kitchen	E	Door	Trim	Wood	Brown	Left middle	F	
	41	-.1	Kitchen	S	Window	Trim	Wood	Brown	left middle	F	
	42	8.7	1st Floor Bathroom	up	Ceiling		Wood	Yellow	Middle	P	above drop ceiling
	43	.3	1st Floor Bathroom	E	Window	Trim	wood	White	Left middle	F	
	44	1.7	1st Floor Bathroom	S	Wall		Gypsum	White	Left middle	F	Closet south wall
	45	.5	1st Floor Bathroom	W	Wall		Wood	White	middle	F	formerly exterior siding
	46	.1	1st Floor Bathroom	S	Door	trim	Wood	White	right middle	F	
	47	-.1	1st Floor Bathroom	S	Door		Wood	Brown	right middle	F	
	48	.1	Stairway	N	Landing	Wall	Gypsum	White	Middle	F	
	49	.2	Stairway	up	Landing	ceiling	Gypsum	White	West	P	
	50	-.1	Stairway	E	Landing	Door trim	Wood	White	Right middle	F	
2nd	51	0	Stairway	W	Landing	half door	wood	white	top middle	F	
	52	-.1	Northeast Bedroom	W	Wall		Gypsum	white	left middle	F	
	53	.2	Northeast Bedroom	up	Ceiling		Gypsum	White	West	P	
	54	>9.9	Northeast Bedroom	N	Baseboard		Wood	White	middle	F	
	55	9.8	Northeast Bedroom	E	Upper Trim	Upper trim	Wood	White	Left	F	
	56	>9.9	Northeast Bedroom	S	Doorway	Trim	Wood	White	right middle	F	Closet door the same
	57	>9.9	Northeast Bedroom	W	Doorway	Jamb	Wood	Tan	right middle	F	
	58	>9.9	Northeast Bedroom	S	Doorway	Door	Wood	White	Right middle	F	
	59	>9.9	Northeast Bedroom	B	Window	Trim	Wood	White	Right bottom	F	North Window
	60	>9.9	Northeast Bedroom	down	Window	Sill	Wood	White	Left	F	East Window
	61	>9.9	Northeast Bedroom	S	Window	Jamb	Wood	Tan	Right top	F	East Window
	62	>9.9	Northeast Bedroom	E	Window	Inner Trim	Wood	White	Left middle	F	East Window
	63	.1	Northwest Bedroom	N	Wall		Gypsum	Purple	middle	F	
	64	.1	Northwest Bedroom	up	Ceiling		Gypsum	Purple	NW	F	
	65	>9.9	Northwest Bedroom	E	Baseboard		Wood	Purple	middle	F	
	66	9.0	Northwest Bedroom	S	Doorway	Trim	Wood	Purple	right middle	F	Entry door
	67	>9.9	Northwest Bedroom	W	Doorway	Jamb	Wood	Tan	right middle	F	Entry door
	68	>9.9	Northwest Bedroom	W	Doorway	Door	Wood	White	left middle	F	Closet door
	69	>9.9	Northwest Bedroom	down	Window	Sill	Wood	Purple	middle	F	North Window
	70	>9.9	Northwest Bedroom	N	Window	Trim	Wood	Purple	Right middle	F	North Window
	71	>9.9	Northwest Bedroom	E	Window	Jamb	Wood	Purple	right top	F	North Window
	72	>9.9	Northwest Bedroom	W	Window	Inner Trim	Wood	Purple	Middle	F	West Window
	73	.1	Northwest Bedroom	E	Closet	Wall	Gypsum	White	Middle	F	
	74	-.1	Northwest Bedroom	up	Closet	ceiling	Gypsum	Tan	Center	F	

	75	>9.9	Northwest Bedroom	E	Closet	Trim	Wood	white	left		
	76	.2	Southwest Bedroom	N	Wall		Gypsum	White	middle		
	77	.2	Southwest Bedroom	up	Ceiling		Gypsum	white	middle		
	78	>9.9	Southwest Bedroom	W	Baseboard		Wood	white	middle		
	79	>9.9	Southwest Bedroom	E	Upper Trim		Wood	White	middle		
	80	>9.9	Southwest Bedroom	E	Doorway	Trim	Wood	White	Middle		Main door
	81	>9.9	Southwest Bedroom	N	Doorway	Jamb	Wood	Tan	left middle		closet door
	82	>9.9	Southwest Bedroom	W	Doorway	Door	Wood	White	Left middle		closet door
	83	>9.9	Southwest Bedroom	W	Window	Trim	Wood	Tan	Left middle		
	84	>9.9	Southwest Bedroom	Down	Window	Sill	Wood	Tan	middle		
	85	>9.9	Southwest Bedroom	S	Window	Jamb	Wood	Tan	Left top		
	86		Southwest Bedroom		Window	Inner trim					not painted
	87	.3	Southwest Bedroom	N	Closet	Wall	Gypsum	wallpaper?	middle		
	88	-.1	Southwest Bedroom	up	Closet	ceiling	Gypsum	White	middle		
	89	>9.9	Southwest Bedroom	E	Closet	Trim	Wood	Yellow	Middle		
	90	>9.9	Southwest Bedroom	down	Closet	Stairs	Wood	Yellow	middle		Bottom step
	91	-.1	2nd Floor Bathroom	N	Wall		Gypsum	white	left middle		
	92	0	2nd Floor Bathroom	up	Ceiling		Gypsum	white	N		
	93	>9.9	2nd Floor Bathroom	N	Baseboard		Wood	White	Left		
	94	>9.9	2nd Floor Bathroom	N	Door	Trim	Wood	White	right middle		
	95	>9.9	2nd Floor Bathroom	E	Door	Jamb	Wood	Tan	right middle		
	96		2nd Floor Bathroom		Door	Door					No door
	97	>9.9	2nd Floor Bathroom	S	Window	Trim	Wood	White	Right bottom		
	98	>9.9	2nd Floor Bathroom	down	Window	Sill	Wood	White	middle		
	99	.4	2nd Floor Bathroom	E	Window	Jamb	Wood	White	Right middle		2 shots (both neg)
	100	.1	2nd Floor Bathroom	S	Window	Inner Trim	Wood	White	right middle		
	101	>9.9	2nd Floor Bathroom	E	Medicine Cabinet		Wood	White	left bottom	F	
	102	.4	2nd Floor Bathroom	S	Vanity		Wood	White	Left middle	F	
	103	9.8	East Room		Ceiling		Wood	Yellow	Above door	F	above drop ceiling
	104	1.7	East Room		Window	Trim	Wood	Brown	right middle	F	
	105	6.0	East Room		Window	Sill	Wood	White	Middle	F	Various E facing windows
	106	>9.9	East Room		Window	Jamb	Wood	White	left middle	F	
	107	1.7	East Room		Window	Inner Trim	Wood	Brown	Right middle	F	
	108	>9.9	East Room	W	Doorway	Trim	Wood	brown	left middle	F	
	109	>9.9	East Room	N	Doorway	Jamb	Wood	Brown	right middle	F	
	110	9.4	East Room	down	Doorway	Threshold	Wood	Brown	middle	F	
	111	.2	2nd Floor Hall	S	Wall		Gypsum	White	middle	F	West of Bath
	112	.1	2nd Floor Hall	up	Ceiling		Gypsum	White	middle	F	West of Bath
	113	-.1	2nd Floor Hall	N	Baseboard		Wood	Brown	middle	F	North of Bath
	114	.1	2nd Floor Hall	S	Trim		Wood	Brown	right middle	F	bath doorway
3rd	115	-.1	3rd Floor	W	Wall		Gypsum	White	middle	F	left of window
	116	-.3	3rd Floor	up	Ceiling		Gypsum	White	West	F	
	117	-.4	3rd Floor	E	Wall		Wood	Black	middle	F	

	118	0	3rd Floor	E	Window	Exterior Trim	Wood	White	left middle	F	Vinyl window
	119	-.2	3rd Floor	S	Stairwell	Wall	Gypsum	White	Middle	F	
	120	0	3rd Floor	S	Stairwell	ceiling	Wood	Black	middle	F	going up
	121	-.1	3rd Floor	down	Stairwell	Stairs	Wood	Brown	middle	F	top step of lower flight
Bas	122	0	Basement Stairwell	E	Wall		Gypsum	White	left middle	F	
	123	-.1	Basement Stairwell	S	Ceiling		Gypsum	white	middle	F	above stairs
	124	.3	Basement Stairwell	down	Stairs		Wood	Gray	middle	P	bottom stair, upper flight
	125	-.1	Basement	N	Trim		Wood	black pink	middle	F	
	126	-.1	Basement	W	Wall		Wood	blue	Right	F	West of Stairs
	127	0	Basement	S	Duct		metal	pink	middle	F	
	128	-.2	Basement	N	Wall		Concrete	black pink	left	F	
	129	.1	Basement	N	Trim		Wood	White	middle	F	above stairs
	130	.1	Basement	E	Wall		Plaster	White	middle	F	right of stairs
	131	.1	Basement	E	Door		Wood	White	middle	F	
	132	-.2	Basement	S	Columns		Wood	Blue	middle	P	
	133	-.1	Basement	S	Stairwell	Exterior Door	Wood	White	right middle	F	
	134	0	Basement	S	Stairwell	Exterior Door	Wood	White	middle	F	right of exterior door
	135	0	Basement	W	Stairwell	Baseboard	Wood	white	middle	F	
Exte	136	>9.9	Siding	S	Siding		wood	white	west	P	north side
	137	>9.9	Siding	S	Siding		Wood	White	E	P	North side
	138	9.3	Siding	E	Siding		Wood	White	middle	P	East Side
	139	6.0	Siding	N	Siding		Wood	White	East	P	South Side
	140	1.8	Siding	N	Siding		Wood	White	West	P	South Side
	141	6.3	Siding	W	Siding		Wood	White	middle	P	West Side
	142	>9.9	Columns	E	Columns		Wood	blue	South	P	
	143	>9.9	Columns	E	Columns		Wood	blue	North	P	
	144	>9.9	Base Trim	S	Horizontal Trim		Wood	White	West	P	North Side
	145	>9.9	Base Trim	S	Horizontal Trim		Wood	White	East	P	North Side
	146	>9.9	Base Trim	W	Horizontal Trim		Wood	White	North	P	East Side
	147	>9.9	Base Trim	N	Horizontal Trim		Wood	White	middle	P	South Side
	148	>9.9	Trim	S	Vertical		Wood	White	Right bottom	P	right of NE Window
	149	>9.9	Trim		Vertical		Wood	White	Bottom	P	Corner Trim East side, NE corner
	150	>9.9	Trim		Vertical		Wood	White	bottom	P	Corner Trim SE corner S S
	151	>9.9	Exterior	W	window trim	Trim/Sill	wood	black	bottom	P	East Side of house, facing E (North side)
	152	>9.9	Exterior	S	Window trim	Trim/Sill	Wood	Black	Bottom right	P	North side facing N
	153	.1	Exterior	N	Window trim	Trim/Sill	Wood	black	Bottom middl	P	looks like it has been scrap
	154	8.7	Soffit	up	Soffit		Wood	White	middle	P	South side under window overhang
	155	>9.9	Soffit	Up	Soffit		Wood	white	middle	P	North side, west portion
	156	.9	Calibration								
	157	.7	Calibration								

158	.7	Calibration								
159	.8	Calibration								
160	.8	Calibration								
161	.7	Calibration								
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Appendix F

APPENDIX F

LICENSES AND CERTIFICATIONS

BAKER ENVIRONMENTAL CONSULTING, INC.

Nationwide Training and Consulting for the Detection and Control of Environmental Hazards

Dane Bailey

has successfully completed a professional training course and passed an end of course exam with a score of at least 70%

LEAD-BASED PAINT INSPECTOR

Certificate #: LBPI102809-02

Attendee's Listed Address: 3113 SW Van Buren Street; Topeka, KS 66611

Course Dates: October 26 - 28, 2009

Exam Date: October 28, 2009, 2009

Unique Identifying Number: 102849980620809

Training Course Instructor

www.bakerenvironmental.com

ThePbMan@hotmail.com

BAKER ENVIRONMENTAL CONSULTING, INC. CORPORATE SEAL

7941 Westgate Street * Lenexa, Kansas 66215-2636 * (913) 541-0220 * (913) 541-0457 (FAX)

Certificate of Achievement

This is to certify that

Dane Bailey
Terracon

on the 29nd day of October 2009, successfully completed the factory training for

RMD's LPA-1 Lead Paint Inspection System

including, but not limited to the topics of Radiation Safety, DOT Regulations, and the Proper Use of the Instrument.

Sia Afshari Product Manager RMD
44 Hunt St, Watertown, Massachusetts

Kansas Department of Health and Environment

Be it known, that having properly filed application with the Kansas Department of Health and Environment,

Dane Bailey

is hereby certified as a

Lead Inspector

Certification Number : KS09-3083

Date: January 8, 2010

Expiration Date: December 17, 2011

Roderick L. Bremby
Secretary

State of Kansas

Lead Paint Inspector

Name: Dane G. Bailey

Expiration Date: 12/17/2011

KS09-3083

Terracon
Consulting Engineers & Scientists

Asbestos Inspector
Initial Course Certificate

This is to certify that

Timothy Easley

has completed the requisite training for asbestos accreditation under TSCA Title II and 40 CFR 763 and passed the associated examination with a score of at least 70%.

Accredited by the Missouri Department of Natural Resources

Certificate Number: 10TER0514LENIN001

Course Instructor

Course Location: Lenexa, KS
Course Date: May 12, 13, & 14, 2010
Examination Date: May 14, 2010
Expiration Date: May 14, 2011

Terracon Consultants, Inc.
2640 12th Street SW
Cedar Rapids, Iowa 52404
(319) 366-8321